

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/526,584
Source: PCT
Date Processed by STIC: 3-13-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/526/84

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 Non-ASCII The submitted file was not saved in ASCII(DOS)ical, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
(1) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)
(*) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(1) NUMBER OF SEQUENCES" response to include the skipped sequences.

8 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence.

11 Use of <220> Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 0001/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.



PCT

RAW SEQUENCE LISTING

DATE: 03/13/2005

PATENT APPLICATION: US/10/526,584

TIME: 12:10:19

Input Set : A:\AsFiled.ST25.txt

Output Set: N:\CRF4\03132005\J526584.raw

3 <110> APPLICANT: University of South Florida
 4 Mohapatra, Shyam
 6 <120> TITLE OF INVENTION: Materials and Methods for Treatment of Allergic Diseases
 8 <130> FILE REFERENCE: USF-183XC1
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/526,584
 C--> 10 <141> CURRENT FILING DATE: 2005-03-03
 10 <150> PRIOR APPLICATION NUMBER: 60/319,529
 11 <151> PRIOR FILING DATE: 2002-09-06
 13 <150> PRIOR APPLICATION NUMBER: PCT/US2003/028056
 14 <151> PRIOR FILING DATE: 2003-09-08
 16 <160> NUMBER OF SEQ ID NOS: 17
 18 <170> SOFTWARE: PatentIn version 3.2
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 30
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1
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 28 1 5 10 15
 31 Asn Leu Leu Asp His Leu Glu Glu Lys Met Pro Leu Glu Asp
 32 20 25 30
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 37
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Homo sapiens
 40 <400> SEQUENCE: 2
 42 Glu Val Val Pro Pro Gln Val Leu Ser Glu Pro Asn Glu Glu Ala Gly
 43 1 5 10 15
 46 Ala Ala Leu Ser Pro Leu Pro Glu Val Pro Pro Trp Thr Gly Glu Val
 47 20 25 30
 50 Ser Pro Ala Gln Arg
 51 35
 54 <210> SEQ ID NO: 3
 55 <211> LENGTH: 20
 56 <212> TYPE: PRT
 57 <213> ORGANISM: Homo sapiens
 59 <400> SEQUENCE: 3
 61 Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg Ala Leu Leu
 62 1 5 10 15
 65 Thr Ala Pro Arg
 66 20
 69 <210> SEQ ID NO: 4
 70 <211> LENGTH: 28

Does Not Comply
Corrected Diskette Needed

(pg.2)

RAW SEQUENCE LISTING

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Input Set : A:\AsFiled.ST25.txt

Output Set : N:\CRF4\03132005\J526584.raw

71 <212> TYPE: PRT
 72 <213> ORGANISM: Homo sapiens
 74 <400> SEQUENCE: 4
 76 Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
 77 1 5 10 15
 80 Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
 81 20 25
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 85 <211> LENGTH: 28
 86 <212> TYPE: PRT
 87 <213> ORGANISM: Artificial Sequence
 89 <220> FEATURE:
 90 <223> OTHER INFORMATION: NEED DESCRIPTION
 92 <400> SEQUENCE: 5
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 98 Arg Ala Leu Leu Ala Gly Pro Arg Ser Leu Arg Arg
 99 20 25
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 103 <211> LENGTH: 37
 104 <212> TYPE: PRT
 105 <213> ORGANISM: Artificial Sequence
 107 <220> FEATURE:
 108 <223> OTHER INFORMATION: NEED DESCRIPTION
 110 <400> SEQUENCE: 6
 112 Val Ser Asn Thr Asp Leu Met Asp Phe Lys Asn Leu Leu Asp His Leu
 113 1 5 10 15
 116 Glu Glu Lys Met Pro Val Glu Asp Glu Val Met Pro Pro Gln Ala Leu
 117 20 25 30
 120 Ser Glu Gln Thr Glu
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 126 <212> TYPE: PRT
 127 <213> ORGANISM: Homo sapiens
 129 <400> SEQUENCE: 7
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 135 Phe Gln Leu Leu Gly Gln Thr Arg Ala Asn Pro Met Tyr Asn Ala Val
 136 20 25 30
 139 Ser Asn Ala Asp Leu Met Asp Phe Lys Asn Leu Leu Asp His Leu Glu
 140 35 40 45
 143 Glu Lys Met Pro Leu Glu Asp Glu Val Val Pro Pro Gln Val Leu Ser
 144 50 55 60
 147 Glu Pro Asn Glu Glu Ala Gly Ala Ala Leu Ser Pro Leu Pro Glu Val
 148 65 70 75 80
 151 Pro Pro Trp Thr Gly Glu Val Ser Pro Ala Gln Arg Asp Gly Gly Ala
 152 85 90 95
 155 Leu Gly Arg Gly Pro Trp Asp Ser Ser Asp Arg Ser Ala Leu Leu Lys

PLS explain source of genetic material,

Invalid response

PLS explain source of genetic material.

Invalid response

See item #11 on error summary sheet.

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Input Set : A:\AsFiled.ST25.txt

Output Set: N:\CRF4\03132005\J526584.raw

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156          100          105          110
159 Ser Lys Leu Arg Ala Leu Leu Thr Ala Pro Arg Ser Leu Arg Arg Ser
160          115          120          125
163 Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu
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167 Gly Cys Asn Ser Phe Arg Tyr
168 145          150
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172 <211> LENGTH: 35
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174 <213> ORGANISM: Mus musculus
176 <400> SEQUENCE: 8
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181 <211> LENGTH: 33
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218 <210> SEQ ID NO: 13
219 <211> LENGTH: 117
220 <212> TYPE: DNA
221 <213> ORGANISM: Mus musculus
223 <400> SEQUENCE: 13
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226 atgccggtag aagatgaggt catgcccccg caggccctga gtgagcagac tgagtaa          117
229 <210> SEQ ID NO: 14
230 <211> LENGTH: 845
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens

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234 <400> SEQUENCE: 14

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239	accgtgagct	tcctcctttt	actggcattc	cagctcctag	gtcagaccag	agctaataccc	180
241	atgtacaatg	ccgtgtccaa	cgcagacctg	atggattttca	agaatttgct	ggaccatttg	240
243	gaagaaaaga	tgcttttaga	agatgaggtc	gtgccccac	aagtgtcag	tgagccgaat	300
245	gaagaagcgg	gggtgtctct	cagccccctc	cctgagggtgc	ctccctggac	cggggaagtc	360
247	agcccagccc	agagagatgg	aggtgccctc	gggcggggcc	cctgggactc	ctctgatcga	420
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251	tccagctgct	tcgggggagc	gatggacagg	attggagccc	agagcggact	gggtgtaac	540
253	agcttcgggt	actgaagata	acagccaggg	aggacaagca	gggtggggcc	tagggacaga	600
255	ctgcaagagg	ctcctgtccc	ctgggggtctc	tgtgtcattt	gtgtcatctt	gttgccatgg	660
257	agttgtgatc	atcccatcta	agctgcagct	tcctgtcaac	acttctcaca	tcttatgcta	720
259	actgtagata	aagtggtttg	atggtgactt	cctgcgctct	cccaccccat	gcattaaatt	780
261	ttaaggtaga	acctcacctg	ttactgaaag	tggtttgaaa	gtgaataaac	ttcagcacca	840
263	tggac						845

266 <210> SEQ ID NO: 15

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268 <212> TYPE: DNA

269 <213> ORGANISM: Homo sapiens

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274	aggccctgac	agctgagcca	caaacaaacc	aggggagctg	ggcaccagca	agcgtcacc	120
276	tctgtttccc	cgcacggtac	cagcgtcgag	gagaaagaat	cctgaggcac	ggcggtgaga	180
278	taaccaagga	ctctttttta	ctcttctcac	acctttgaag	tgggagcctc	ttgagtcaaa	240
280	tcagtaagaa	tgcggtctct	gcagctgagg	gtctgggggg	ctgttggggc	tgcccaaggc	300
282	agagaggggc	tgtgacaagc	cctgcggatg	ataactttta	aagggcatct	cctgctggct	360
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286	gtgcttggag	agctgggggg	ctataaaaag	aggcggcact	gggcagctgg	gagacagggg	480
288	cagacgtagg	ccaagagagg	ggaaccagag	aggaaccaga	ggggagagac	agagcagcaa	540
290	gcagtggatt	gctccttgac	gacgccagca	tgagctcctt	ctccaccacc	accgtgagct	600
292	tcctcctttt	actggcattc	cagctcctag	gtcagaccag	agctaataccc	atgtacaatg	660
294	ccgtgtccaa	cgcagacctg	atggattttca	aggtagggcc	aggaaagcgg	gtgcagtctg	720
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300	gatgccttta	gaagatgagg	tcgtgcccc	acaagtgtct	agtgagccga	atgaagaagc	900
302	gggggctgct	ctcagcccc	tcctgaggt	gcctccctgg	accgggggag	tcagcccagc	960
304	ccagagagat	ggaggtgccc	tcgggcgggg	cccctgggac	tcctctgata	gatctgcoct	1020
306	cctaaaaagc	aagctgaggg	cgctgtctac	tgccctctcg	agcctgcgga	gatccagctg	1080
308	cttcgggggc	aggatggaca	ggattggagc	ccagagcgga	ctgggctgta	acagcttccg	1140
310	ggtaagagga	actggggatg	gaaatgggat	gggatggaca	ctactgggag	acaccttcag	1200
312	caggaaaggg	accaatgcag	aagctcattc	cctctcaagt	ttctgcccc	acaccagag	1260
314	tgccccatgg	gtgtcaggac	atgccatcta	ttgtccttag	ctagtctgct	gagaaaatgc	1320
316	ttaaaaaaa	aagggggggg	gctgggcacg	gtcgtcacgc	ctgtaatccc	agcactttgg	1380
318	gaggccaggc	agcggatcat	gaggtcaaga	gatcaagact	atcctggcca	acatggtgaa	1440
320	acccagctc	tactaaaaat	acaaaaatta	gctgggtgtg	tggcggggac	ctgtactctc	1500
322	agctacttgg	gaggtgagg	caggagaatc	acttgaaccc	aggaggcaga	ggttgcagtg	1560
324	agcagagatc	acgccactgc	agtccagcct	aggtgataga	gcgagactgt	ctcaaaaaaa	1620
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RAW SEQUENCE LISTING

DATE: 03/13/2005

PATENT APPLICATION: US/10/526,584

TIME: 12:10:19

Input Set : A:\AsFiled.ST25.txt

Output Set: N:\CRF4\03132005\J526584.raw

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328 gcggggtggat cactgaggtca ggagatggag accatcctgg ctaacacggt gaaaccccggt 1740
330 ctctactaaa aatacaaaaa attagccagg cgtgggtggca ggcgcctgta agtcctagct 1800
332 actccggagg ctgaggcagg agaattggcg gaaccggga ggcggagctt gcagtgaaca 1860
334 gagatggcac cactgcactc cagcctgggc gacagagcaa gactccgtct caaaaaaaaaa 1920
336 aaaaaaaaaa gcaactgcca ctagcactgg gaaattaaaa tattcataga gccaaagtat 1980
338 ctttgcattg ctgattagca gttcatattc ctccccagaa ttgcaagatc ctgaagggtc 2040
340 taagtgaat ttactctgat gagtaacttg cttatcaatt catgaagctc agagggtcat 2100
342 caggctgggg tggggggccgg tgggaagcag gtgggtcagta atcaagttca gaggatgggc 2160
344 acactcatac atgaagctga cttttccagg acagccagggt caccaagcca gatatgtctg 2220
346 tgttctcttt gcagtactga agataacagc cagggaggac aagcagggtt gggcctaggg 2280
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352 tgctaactgt agataaagtg gtttgatggg gacttcctcg cctctcccac cccatgcatt 2460
354 aaattttaag gtagaacctc acctgttact gaaagtgggt tgaaagtga taaacttcag 2520
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358 ttc 2583

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362 <211> LENGTH: 152

363 <212> TYPE: PRT

364 <213> ORGANISM: Mus musculus

366 <400> SEQUENCE: 16

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373 20 25 30
376 Asn Thr Asp Leu Met Asp Phe Lys Asn Leu Leu Asp His Leu Glu Glu
377 35 40 45
380 Lys Met Pro Val Glu Asp Glu Val Met Pro Pro Gln Ala Leu Ser Glu
381 50 55 60
384 Gln Thr Glu Glu Ala Gly Ala Ala Leu Ser Ser Leu Pro Glu Val Pro
385 65 70 75 80
388 Pro Trp Thr Gly Glu Val Asn Pro Pro Leu Arg Asp Gly Ser Ala Leu
389 85 90 95
392 Gly Arg Ser Pro Trp Asp Pro Ser Asp Arg Ser Ala Leu Leu Lys Ser
393 100 105 110
396 Lys Leu Arg Ala Leu Leu Ala Gly Pro Arg Ser Leu Arg Arg Ser Ser
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400 Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
401 130 135 140
404 Cys Asn Ser Phe Arg Tyr Arg Arg
405 145 150

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410 <212> TYPE: DNA

411 <213> ORGANISM: Mus musculus

413 <400> SEQUENCE: 17

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418 tggccttttg gcttcaggc catattggag caaatcctgt gtacagtgcg gtgtccaaca 180

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/526,584

DATE: 03/13/2005

TIME: 12:10:20

Input Set : A:\AsFiled.ST25.txt

Output Set: N:\CRF4\03132005\J526584.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date